

Homes

are a significant source of carbon pollution in Kamloops



single-family houses

92,000 tonnes/year
26,000 units



low-rise MURBs (<4 storeys)

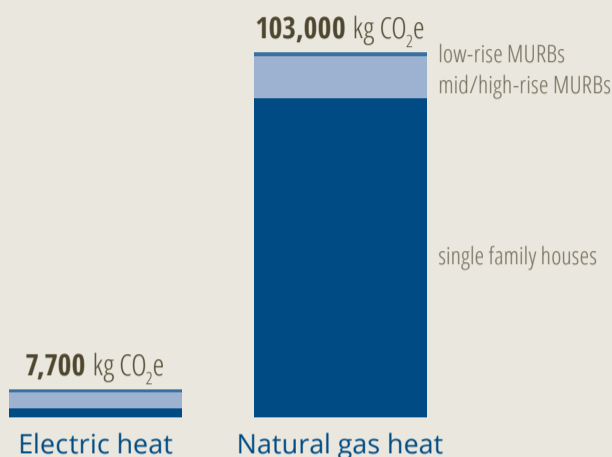
17,000 tonnes/year
11,000 units



mid/high-rise MURBs

1,700 tonnes/year
750 units

80% of dwellings in Kamloops are heated with natural gas. Emissions from these dwellings make up 90% of the carbon pollution from homes.



To be a zero-carbon community by 2050², Kamloops will need to retrofit **2.5% of homes every year** including switching to low-carbon heating systems like electric heat pumps.



800 units/year



150 units/year



10 units/year

Fuel-switching heating systems will cost an average of **\$10 million**/year.³ Investment in the full benefits of deep retrofits, including healthier indoor air, will cost an average⁴ **\$32 million**/year...



...and result in over **300 local jobs/year**⁵

1. Based on modelling provided by Licker Geospatial Consulting Co. <https://www.lgeo.co/geospatial-consulting>
2. *Climate Action Plan* (2020) <https://letstalk.kamloops.ca/ClimateAction>
3. Assuming heat pumps cost \$10,000/house and \$23/sq.ft. for big buildings.
4. 2020 dollars, assuming an average incremental cost of \$30,000 for single-family and mobile homes and \$16,000 for multi-family residential units. Ralph Torrie and Céline Bak, "Building Back Better with a green renovation wave," *Corporate Knights*, April 22, 2020. <https://www.corporateknights.com/channels/built-environment/recovering-stronger-building-low-carbon-future-green-renovation-wave-15875463/>
5. An estimated 9.5 direct, indirect and induced jobs are generated for every million dollars spent. Based on Dunsky, *The Economic Impact of Improved Energy Efficiency in Canada*, prepared for Clean Energy Canada (2018) https://cleanenergycanada.org/wp-content/uploads/2018/04/TechnicalReport_EnergyEfficiency_20180403_FINAL.pdf; Efficiency Canada, Written Submission for the Pre-Budget Consultations in Advance of the Upcoming Federal Budget (2020). <https://www.energycanada.org/federal-pre-budget-consultations/>

Reducing carbon pollution starts at home